BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Asphalting to MEI Layout 12th Main road Connecting to Maramma Temple and other cross roads in MEI Layout Ward No 14 Bagalagunte

			Est. Cost Rs				49.90	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supplying and fixing **precast** rainforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	1	50.00	0.90		45.00		
	Data Rates Approved						**45.00**	1600.00	72000.00
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Hard soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.141/I.19.2 PW, P & IWTD -SR 2015-16)								
		Cum	1	392.00	7.00	0.30	823.20		
	Cross roads		1	100.00	3.00	0.30	90.00		
	Basic Rate	107.00					**913.20**	115.56	105529.00
	Add Area Weightage 8%	8.56							
	Total	**115.56**							
3	KSRRB M400-1 For Grading I material construction of **granular sub-base** by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 155/ Item No. 20.6.1 PWD SR 2015-16								
		Cum	1	392.00	7.00	0.15	411.60		
			1	100.00	3.00	0.15	45.00		
	Basic Rate	1353.00					**456.60**	1461.24	667202.00
	Add Area Weightage 8%	108.24							
	TOTAL	**1461.24**							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2015-16, P.No.154, I No.20.18)								
	Roads	Cum.	1	392.00	7.00	0.25	686.00		
			1	100.00	3.00	0.25	75.00		
	Basic Rate	1587.00					**761.00**	1713.96	1304324.00
	Add Area Weightage 8%	126.96							
	Total	**1713.96**							
5	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2015-16, P.No.157, I No.21.6)								
		Sqm	1	392.00	7.00		2744.00		
			1	100.00	3.00		300.00		
	Basic Rate	30.00					**3044.00**	32.40	98626.00
	Add Area Weightage 8%	2.40							
	Total	**32.40**							
6	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work (PWDSR 2015-16, P.No.161, I No.21.11.6)								
		Cum	1	392.00	7.00	0.05	137.20		
			1	100.00	3.00	0.05	15.00		
	Basic Rate	5735.00					**152.20**	6193.80	942696.00
	Add Area Weightage 8%	458.80							
	Total	**6193.80**							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
7	Providing and laying **bituminous concrete** with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen (p-164, lt 21.22.6) PWD SR 2015-16								
		Cum	1	392.00	7.00	0.04	109.76		
			1	100.00	3.00	0.04	12.00		
	Basic Rate	9095.00					121.76	9822.60	1196000.00
	Add Area Weightage 8%	727.60					.		
	Total	9822.60							
8	**Road marking** with hot applied thermoplastic compound with Reflectrising Glass beads on bituminous surface-Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads aa per IRC : 35, the finished surface to be level uniform and free from streacks and holes complete as per specifications. (Page No.181, I No.24.15 of KPWD SR 2015-16)								
		Sqm	2	392.00	0.15		117.60		
			2	100.00	0.15		30.00		
	Basic Rate	438.00					147.60	473.04	69821.00
	Add Area Weightage 8%	35.04					.		
	Total	473.04							
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2015-16								
		Cum	Qty Vide Item No. 2				913.20	84.50	77165.00
	Loading and Unloading	68.00							
	Lead 4 KMs	10.24							
		78.24							
	Area Weightage @ 8%	6.26							
	Total	84.50							
10	Quality control Test +KRIDL Charges9+1=10%								450000.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
11	Miscellaneous and UnforessenCharges								6637.00
								Total	4990000.00

(Rupees.Forty Nine Lakhs Ninty Thousand Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2015-16
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

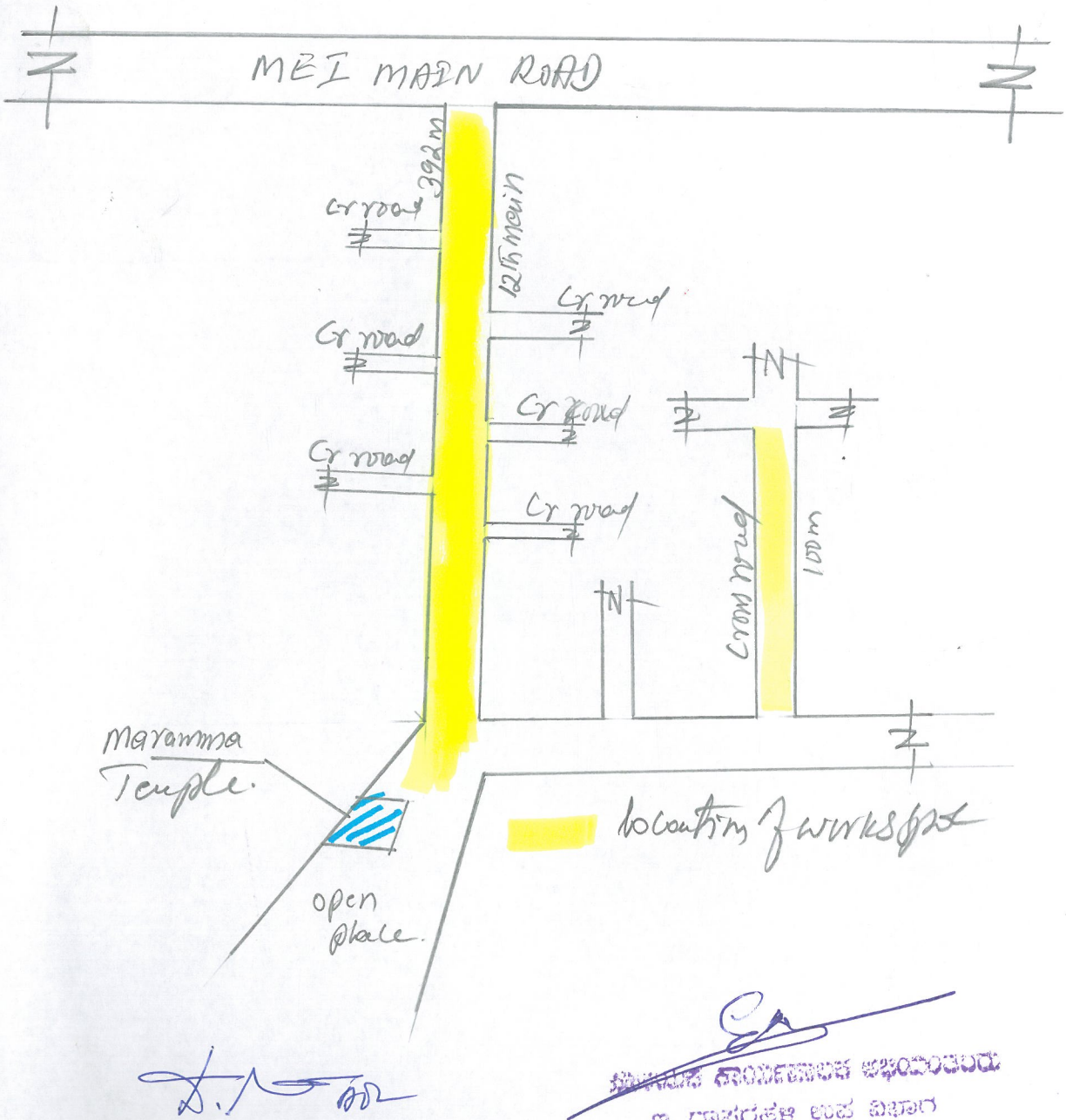
Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

ಪತ್ರ AC(DH) AS/39/16-17 ದಿನಾಂಕ : 14/09/2016
ರೂ. 49.90 lakhs (Rupees Forty nine lakh ninety thousand only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No 49
Sl. No. 39
ಅಪರ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. CE/DZ/TS/58/2016-17 ದಿನಾಂಕ : 20/10/2016
ರೂ. 49.90 lakhs [Rupees Forty nine lakhs Ninty Thousand only]
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Name of work:- Asphalting to MEI layout 12th main road connecting to maramma Temple and other cross roads in MEI layout ward no 14. Bagalagunte



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ವಿಭಾಗ ಮತ್ತು ಮಾರಾಟ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Water Board, Bangalore - 560 073